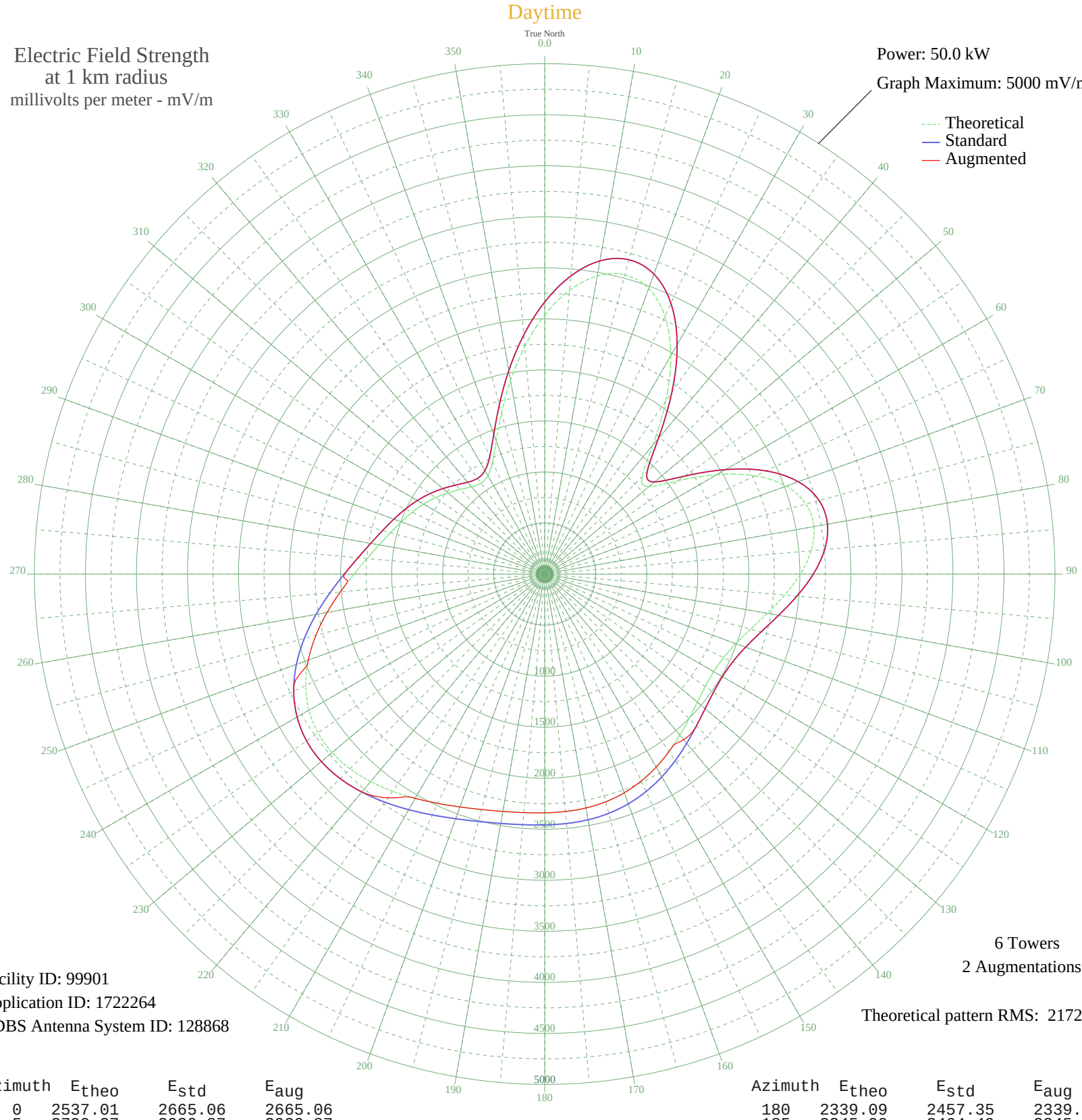
CHUM TORONTO, ON Canada -- 1050 kHz

Daytime

Electric Field Strength
at 1 km radius
millivolts per meter - mV/m



Power: 50.0 kW

Graph Maximum: 5000 mV/m

Theoretical
Standard
Augmented

6 Towers
2 Augmentations

Theoretical pattern RMS: 2172.61

Facility ID: 99901
Application ID: 1722264
CDBS Antenna System ID: 128868

Azimuth	E_{theo}	E_{std}	E_{aug}
0	2537.01	2665.06	2665.06
5	2790.27	2930.87	2930.87
10	2965.79	3115.10	3115.10
15	3035.13	3187.89	3187.89
20	2977.85	3127.76	3127.76
25	2786.27	2926.68	2926.68
30	2470.77	2595.54	2595.54
35	2066.73	2171.53	2171.53
40	1647.96	1732.20	1732.20
45	1349.91	1419.66	1419.66
50	1334.65	1403.66	1403.66
55	1591.14	1672.61	1672.61
60	1948.15	2047.12	2047.12
65	2277.04	2392.22	2392.22
70	2517.62	2644.71	2644.71
75	2649.96	2783.61	2783.61
80	2678.08	2813.12	2813.12
85	2620.89	2753.09	2753.09
90	2505.40	2631.88	2631.88
95	2361.07	2480.41	2480.41
100	2214.93	2327.05	2327.05
105	2088.01	2193.87	2193.87
110	1993.24	2094.43	2094.43
115	1935.45	2033.80	2033.80
120	1913.12	2010.37	2010.37
125	1921.07	2018.71	2018.71
130	1952.68	2051.87	2051.87
135	2001.18	2102.76	2102.76
140	2060.01	2164.49	2118.36
145	2122.84	2230.41	2122.84
150	2183.70	2294.28	2183.70
155	2237.39	2350.61	2237.39
160	2280.00	2395.33	2280.00
165	2309.62	2426.42	2309.62
170	2326.84	2444.49	2326.84
175	2334.87	2452.91	2334.87

The theoretical pattern is used to create the standard pattern. Augmentations (if any) expand the standard pattern in specified directions. See Sections 73.150 and 73.152 of the FCC's Rules.

AM coverage may not mirror the pattern shown here. Additional factors such as ground conductivity or skywave propagation affect how far the AM signal will travel.

Patterns for stations outside the USA are based on notified parameters.

AM directional patterns created before 1982 used units of 1 mV/m at 1 mile, not one kilometer. The pattern values on such plots at 1 mile will be 0.62137 of the values listed here. Measured pattern values may vary from values shown here.

Plot is best printed on 11" by 17" or larger paper.

29 Feb 2016

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E_{theo}	E_{std}	E_{aug}
180	2339.09	2457.35	2339.09
185	2345.90	2464.49	2345.90
190	2361.04	2480.38	2361.04
195	2388.16	2508.84	2388.16
200	2428.05	2550.70	2428.05
205	2478.93	2604.10	2478.93
210	2537.15	2665.21	2537.15
215	2597.66	2728.71	2676.33
220	2653.93	2787.78	2786.34
225	2697.86	2833.88	2833.88
230	2720.16	2857.28	2857.28
235	2711.94	2848.66	2848.66
240	2666.86	2801.35	2801.35
245	2583.18	2713.51	2713.51
250	2464.83	2589.31	2464.83
255	2321.14	2438.50	2321.14
260	2165.01	2274.67	2165.01
265	2010.26	2112.29	2010.26
270	1868.55	1963.61	1963.61
275	1746.94	1836.02	1836.02
280	1646.91	1731.11	1731.11
285	1565.24	1645.44	1645.44
290	1495.98	1572.81	1572.81
295	1432.75	1506.51	1506.51
300	1370.31	1441.04	1441.04
305	1305.51	1373.12	1373.12
310	1238.06	1302.42	1302.42
315	1171.68	1232.85	1232.85
320	1115.98	1174.51	1174.51
325	1088.36	1145.57	1145.57
330	1112.52	1170.87	1170.87
335	1209.79	1272.79	1272.79
340	1387.08	1458.63	1458.63
345	1633.54	1717.08	1717.08
350	1926.66	2024.57	2024.57
355	2238.22	2351.49	2351.49